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SONET configuration management with OpenPM

Weimin Du   Ming-Chien Shan   Whitney, C.
Hewlett-Packard Labs., USA;
This paper appears in: **Data Engineering, 1996. Proceedings of the Twel**
International Conference on

Abstract:
SONET (Synchronous Optical NETwork) has been proposed as the backbone (
information superhighway infrastructure. **SONET** network management, howe
complex process that involves many heterogeneous systems and applications
human interactions. In this paper, we describe a prototype system developed
Packard (HP) that provides a service for **configuring** large **SONET** networks.
prototype differs from the existing systems in that it employs the HP OpenPM
Process Management) workflow system to define, execute and monitor netwo
management processes. Using OpenPM (a middleware service that enables th
automation of activities supporting complex enterprise business processes in .
distributed heterogeneous computing environment) as a reliable and efficient
execution engine, this prototype supports efficient distributed network manag
easy integration of legacy applications. The paper describes how an example
configuration management process is modeled, executed and monitored usi

Index Terms:
SONET   administrative data processing   computer network management   network ope
systems   open systems   Hewlett-Packard OpenPM workflow system   **SONET configu**
management   distributed heterogeneous computing environment   enterprise business
information superhighway infrastructure   legacy applications   middleware service   netw
management processes   open process management   process definition   process exec
process monitoring   synchronous optical network

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